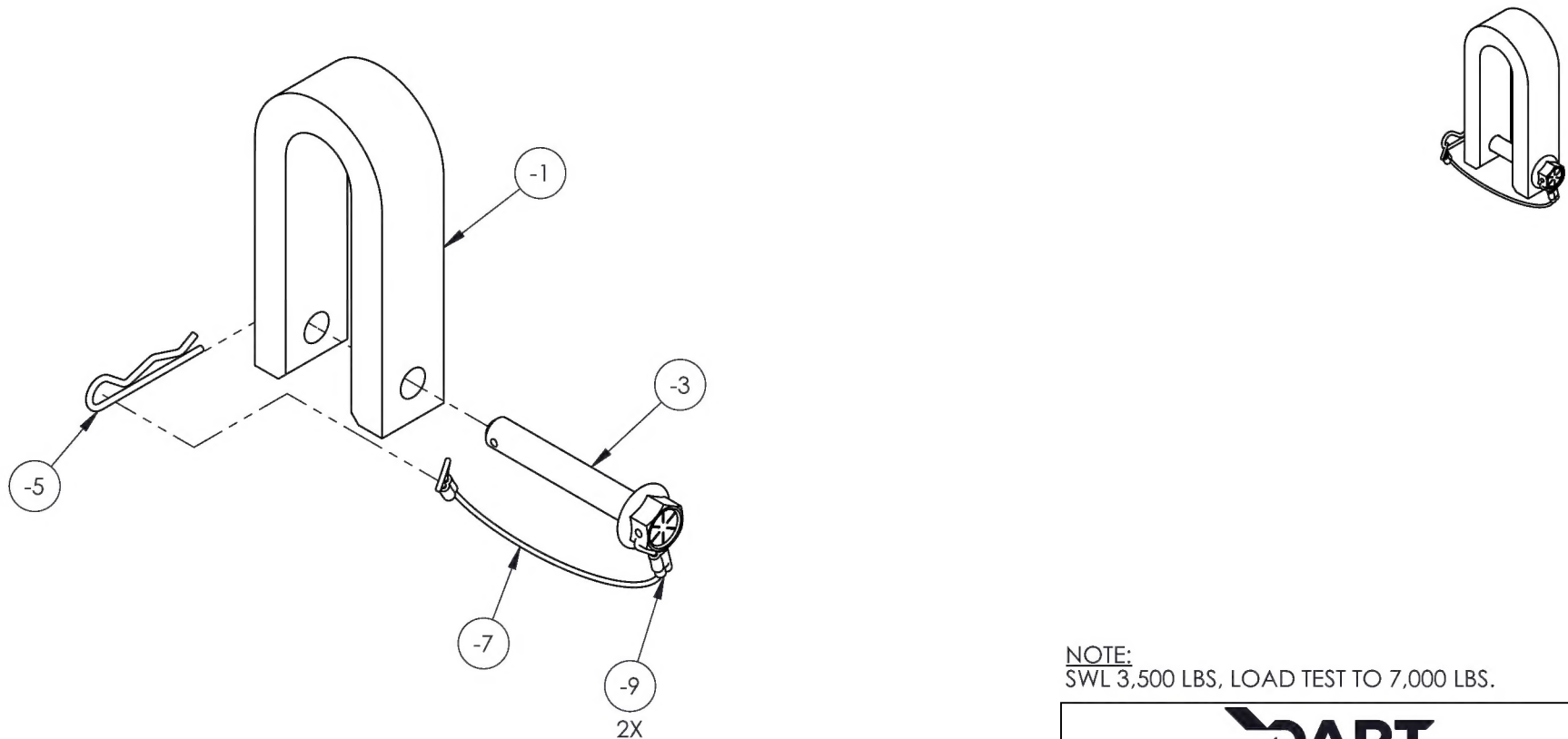


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
A		-1 CH'D B/O INFORMATION FROM 1 X 2-16 X 4/1/4, CH'D NOTE CAPACITY FROM 5,000 TO 3,500 LBS. AND PROOF LOAD FROM 10,000 TO 5,250 LBS	2/16/2011	RJC	RW
B		-1 CH'D ENGRAVE NOTE WAS PROOF LOAD 5250 IS 5300.	9/20/2011	RJC	DW
3	16-0190	-1 CH'D DIM WAS Ø.386 THRU IS Ø.397 THRU ALL, CH'D ENGRAVE NOTE WAS ENGRAVE CAPACITY IS ENGRAVE SWL, CH'D MATERIAL WAS 4140 IS 4140/4142. -1 & -3 CH'D FINISH WAS CAD PLATE YELLOW IS ZINC PLATE. -3 ADDED DIM (Ø.375). CH'D P/N WAS (MCMaster-CARR #92316A540) IS MCMaster-CARR #90201A336).	10/25/2016	RJC	JAG



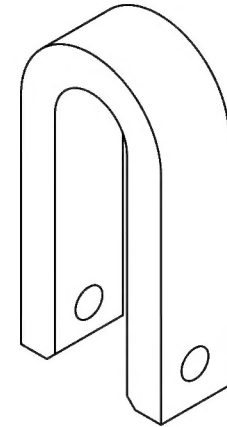
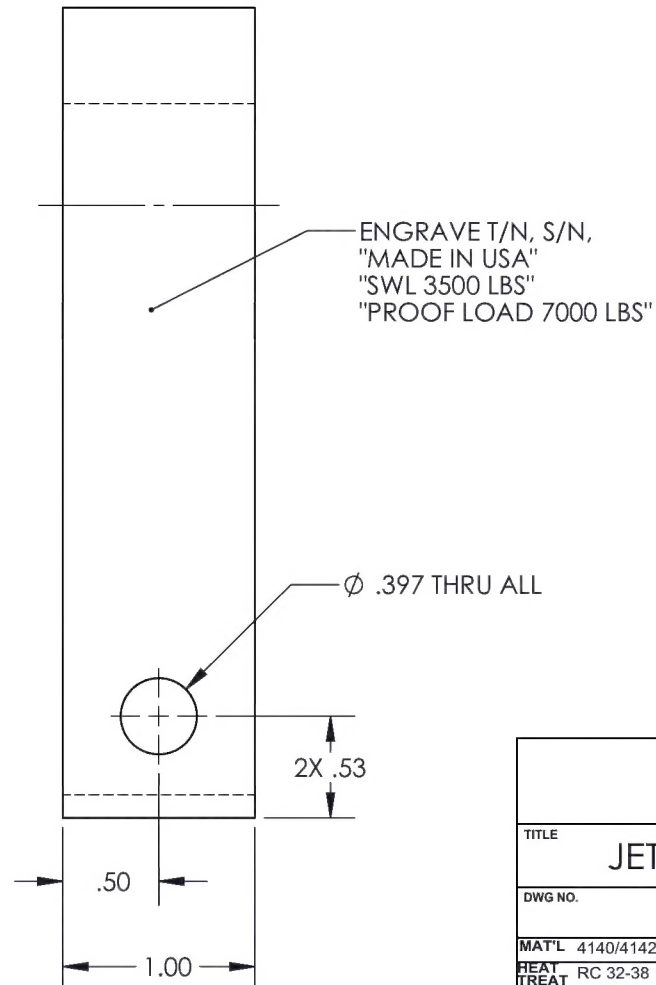
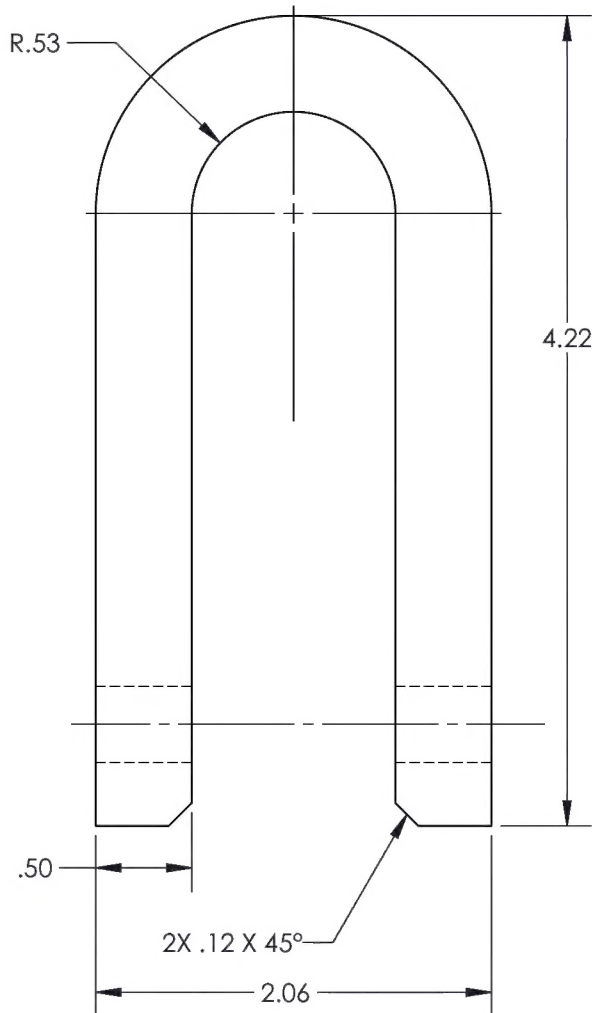
NOTE:
SWL 3,500 LBS, LOAD TEST TO 7,000 LBS.

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	BELL	4140/4142		2
			-3	1	PIN	STEEL GRD. 9	3/8-16 X 4 (MCMaster-CARR #90201A336) MODIFIED	3
		B/O	-5	1	HAIRPIN COTTER PIN	STEEL	Ø5/64 X FITS Ø3/8 X 1/2 PIN X 1-5/8 (MCMaster-CARR #98335A061)	1
		B/O	-7	1	LANYARD CABLE	COATED STEEL	Ø1/16 X 8 (CARR LANE #CL-2-C)	1
		B/O	-9	2	FERRULE	ALUMINUM	Ø1/16 X 3/8 (MCMaster-CARR #3896T31)	1

DART AEROSPACE	
TITLE JET RANGER LIFTING EYE	
DWG NO. RBT18539	REV 3
MAT'L HEAT TREAT FINISH SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125° ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY:	CLOUGH
CHECKED:	MACKOVJAK
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
SCALE	1:2
DATE	10/25/2016
SHEET 1 OF 4	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
B		-1 CH'D ENGRAVE NOTE WAS PROOF LOAD 5250 IS 5300.	9/20/2011	RJC	DW
3	16-0190	-1 CH'D DIM WAS Ø.386 THRU IS Ø.397 THRU ALL, CH'D ENGRAVE NOTE WAS ENGRAVE CAPACITY IS ENGRAVE SWL, CH'D FINISH WAS CAD PLATE YELLOW IS ZINC PLATE, CH'D MATERIAL WAS 4140 IS 4140/4142.	10/25/2016	RJC	JAG

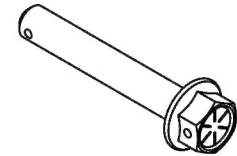
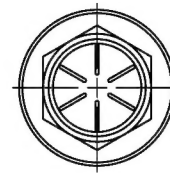
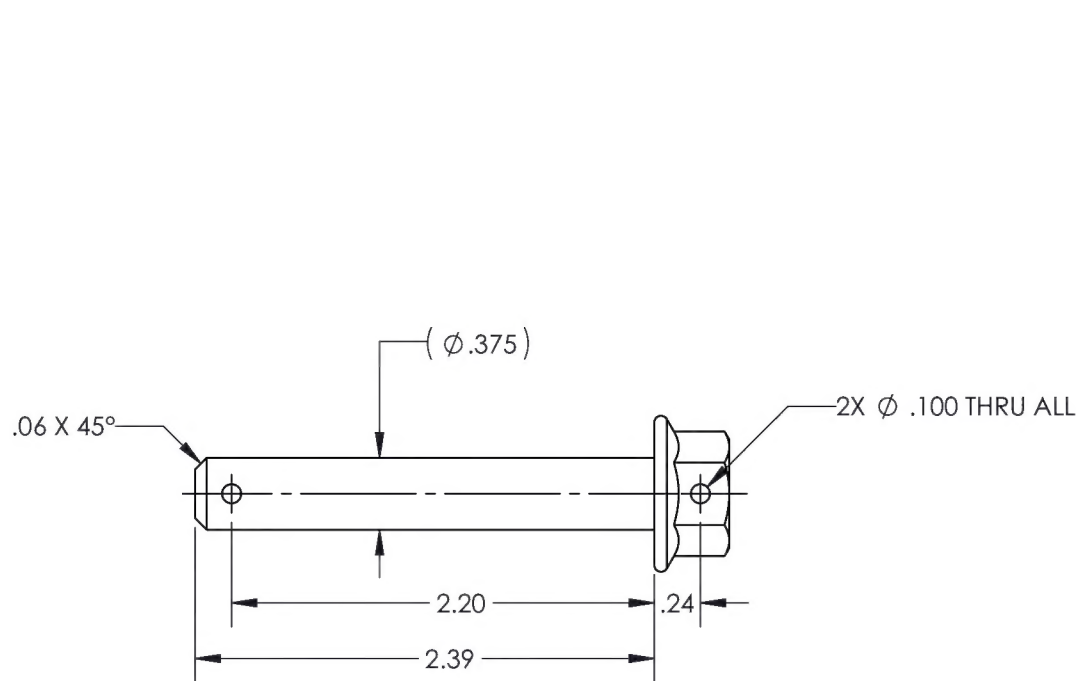


(-1)
BELL

DART AEROSPACE	
TITLE JET RANGER LIFTING EYE	
DWG NO. RBT18539-1	REV 3
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED
HEAT RC 32-38	DIMENSIONS ARE IN INCHES
TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH ZINC PLATE	.XX ± .01 ANGLES ± .5°
SPEC ASTM B633 TYPE I SC 2	.X ± .1 SURFACES = 125✓
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
SCALE 1:1	DATE 10/25/2016
	SHEET 2 OF 4

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	16-0190	-3 ADDED DIM (Ø.375), CH'D P/N WAS (MCMASTER-CARR #92316A540) IS MCMASTER-CARR #90201A336), CH'D FINISH WAS CAD PLATE YELLOW IS ZINC PLATE.	10/25/2016	RJC	JAG



(-3)

PIN

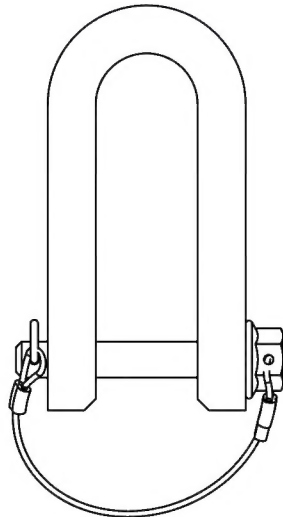
DART AEROSPACE	
TITLE JET RANGER LIFTING EYE	
DWG NO. RBT15839-3	REV 3
MAT'L STEEL GRD. 9	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH ZINC PLATE	.XXX \pm .005 FRACTIONS \pm 1/8
SPEC ASTM B633 TYPE I SC 2	.XX \pm .01 ANGLES \pm 5°
DRAWN BY: CLOUGH	.X \pm .1 SURFACES = 125°
CHECKED: MACKOVJAK	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
SCALE 1:1	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 10/25/2016	USED ON MODEL
SHEET 3 OF 4	BELL 206A & 206B

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190 S. DANEBO AVE., EUGENE OR. 97402
(541)344-9953; fax (541)344-3863
e-mail; sales@dartaero.com

FIRST ARTICLE WEIGHT TEST



INSPECTOR _____

TESTER _____

S.N. _____

DATE _____

INSPECTION & TESTING PROCEDURES FOR THE RBT18539, JET RANGER LIFTING EYE.

THIS ASSEMBLY SHOULD BE INSPECTED BEFORE EACH USE.
REPLACE ANY ITEMS THAT ARE DAMAGED OR SUSPECTED OF DAMAGE BEFORE USING!

FIRST ARTICLE WEIGHT TEST

1. AFTER INSPECTION, ATTACH THE LIFTING EYE TO AN APPROPRIATE TEST WEIGHT OF 7000 LBS.
2. LIFT WEIGHT FOR AT LEAST 5 MINUTES, CONTINUALLY CHECKING FOR CRACKS, DEFLECTION, OR DISTORTION.
3. REMOVE WEIGHT AND RE-INSPECT LIFTING EYE, CHECKING FOR STRESS CRACKS, BENDING, OR DISTORTIONS.

TITLE JET RANGER LIFTING EYE	
DWG NO. RBT18539	REV 3
MAT'L HEAT TREAT FINISH SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125° ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: CLOUGH	USED ON MODEL
CHECKED: MACKOVJAK	BELL 206A & 206B
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:2	DATE 10/25/2016
SHEET 4 OF 4	